Headquarters:
Via Don Minzoni, 6
20045 – Lainate (MI) Italy
Tel. +39 02.93799212 - Fax. +39 02. 93799349
mail@valente.it
www.valente.it www.valente1919.com

Registered office:
Via Emilio Motta, 6
20144 – Milano (MI) Italy
info@valente.it

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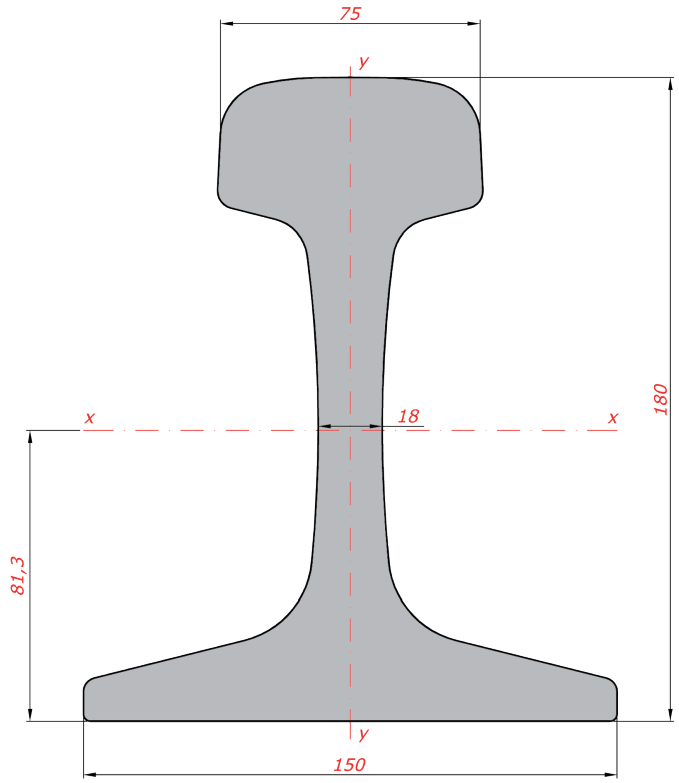
RAILWAY RAILS
RAIL P65 (R65)



MASS	64.88	[Kg/m]
AREA	82.65	[cm²]
MOMENT OF INERTIA X-X	3540	[cm⁴]
MOMENT OF INERTIA Y-Y	564	[cm⁴]
SECTION MODULUS X-X – HEAD	538	[cm³]
SECTION MODULUS X-X – BASE	435	[cm³]
SECTION MODULUS Y-Y	75	[cm³]

VALENTE SINCE 1919 SPA
One hundred years of reliability

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INDIRECT FIXING

WITH PAD

FASTENING SERIES	LATERAL ADJUSTMENT [mm]	SIDE LOAD [KN]	TORQUE TIGHTENING [Nm]	FASTENING SYSTEM
VALEX 1004	–	–	–	–
VALEX 3016	–	–	–	–
VALEX 3116	–	90	175	VALEX 3116-28-05
VALEX 5016	10	70	150	VALEX 5016-34-18
VALEX 5020	14	140	275	VALEX 5020-38-16
VALEX 5024	20	190	500	VALEX 5024-42-21
VALEX 5116	10	165	150	VALEX 5116-34-18
VALEX 5120	14	250	275	VALEX 5120-39-16
VALEX 5124	20	300	500	VALEX 5124-40-19
VALEX 9022	–	–	–	–

WITHOUT PAD

FASTENING SERIES	LATERAL ADJUSTMENT [mm]	SIDE LOAD [KN]	TORQUE TIGHTENING [Nm]	FASTENING SYSTEM
VALEX 1004	10	60	175	VALEX 1004-29-18
VALEX 3016	–	65	175	VALEX 3016-28-09
VALEX 3116	–	90	175	VALEX 3116-28-09
VALEX 5016	10	70	150	VALEX 5016-32-13
VALEX 5020	14	140	275	VALEX 5020-38-09
VALEX 5024	20	190	500	VALEX 5024-42-13
VALEX 5116	10	165	150	VALEX 5116-32-13
VALEX 5120	14	250	275	VALEX 5120-39-09
VALEX 5124	20	300	500	VALEX 5124-42-13
VALEX 9022	–	–	–	–

DIRECT FIXING

FASTENING SERIES	LATERAL ADJUSTMENT [mm]	SIDE LOAD [KN]	TORQUE TIGHTENING [Nm]	FASTENING SYSTEM
VALEX 2012	–	–	–	–
VALEX 2016	–	–	–	–
VALEX 2020	–	–	–	–
VALEX 2024	15	160	550	VALEX 2024-42-18
VALEX 2124	15	290	550	VALEX 2124-42-18
VALEX 4018	–	–	–	–
VALEX 4021	–	–	–	–
VALEX 4023	–	–	–	–
VALEX 4025	–	–	–	–
VALEX 4028	–	95	550	VALEX 4028
VALEX 6024	–	–	–	–
VALEX 7020	10	90	320	VALEX 7020-47-17
VALEX F036	–	–	–	–
VALEX F046	–	–	–	–
VALEX F050	–	–	–	–
VALEX F060	–	85	550	VALEX F060
VALEX D510	–	–	–	–
VALEX D614	–	–	–	–
VALEX D820	–	–	–	–

FASTENING SERIES	LATERAL ADJUSTMENT [mm]	SIDE LOAD [KN]	TORQUE TIGHTENING [Nm]	FASTENING SYSTEM
VALEX 2012	5	30	75	VALEX 2012-31-10
VALEX 2016	10	55	175	VALEX 2016-32-10
VALEX 2020	15	110	320	VALEX 2020-35-13
VALEX 2024	15	160	550	VALEX 2024-42-09
VALEX 2124	15	290	550	VALEX 2124-42-09
VALEX 4018	–	–	–	–
VALEX 4021	–	–	–	–
VALEX 4023	–	–	–	–
VALEX 4025	–	–	–	–
VALEX 4028	–	–	–	–
VALEX 6024	–	–	–	–
VALEX 7020	10	90	320	VALEX 7020-40-10
VALEX F036	–	–	–	–
VALEX F046	–	–	–	–
VALEX F050	–	–	–	–
VALEX F060	–	85	550	VALEX F060
VALEX D510	–	–	–	–
VALEX D614	–	–	–	–
VALEX D820	–	–	–	–

SUITABLE FASTENING SYSTEM FOR RAIL P65 (R50)